

# AMMUNITION MANAGEMENT IN-BRIEF



***THE  
WOLVES***





# PURPOSE & OUTLINE



## PURPOS

E

- **PROVIDE A DOCTRINAL OVERVIEW OF AMMUNITION MANAGEMENT AND RESUPPLY**
- **REVIEW AMMUNITION MANAGEMENT RULES OF ENGAGEMENT (ROE) FOR FORCE-ON-FORCE (FOF) OPERATIONS**

## OUTLINE

- |                            |                         |
|----------------------------|-------------------------|
| ★ <b>TERMINOLOGY</b>       | ★ <b>IMPERATIVES</b>    |
| ★ <b>RESUPPLY DOCTRINE</b> | ★ <b>FORCE ON FORCE</b> |
| ★ <b>PLANNING CYCLE</b>    | <b>ROE</b>              |
|                            | ★ <b>SAFETY</b>         |



# AMMUNITION TERMINOLOGY

- **UNIT BASIC LOAD (UBL)**
  - *Quantity of Supplies that a Unit Can Move in a Single Lift with Organic Assets to Sustain Combat Operations until Resupply is Available*
- **REQUIRED SUPPLY RATE (RSR)**
  - *Ammo Requested by Unit to Sustain Operations*
- **CONTROLLED SUPPLY RATE (CSR)**
  - *Ammo Available from Corps to Sustain Operations*
- **AMMUNITION FOR IMMEDIATE CONSUMPTION**
  - *Special Mission Requirement Above CSR*



# RESUPPLY DOCTRINE



- **SUPPLY POINT DISTRIBUTION**
  - *Logistics Release Point (LRP)*
- **UNIT DISTRIBUTION**
  - *Tailgate*
- **REARM, REFUEL, RESUPPLY, SURVEY POINT (R3SP)**
  - *Service Station*
- **CLASS V METHODS OF RESUPPLY**
  - **SINGLE LOOP:** *ATP to BTRY*
  - **DOUBLE LOOP:** *ATP to TNS; TNS to BTRY*
  - **R3SP**



# PLANNING CYCLE



- **S3, S4, FDO, BAO INTERFACE**
- **UBL: DETERMINE, REQUEST, DRAW, DISTRIBUTE**
- **MISSION ANALYSIS**
  - ✓ *Accurate On-Hand Ammo Counts (BATTERIES + CAT+ FAT)*
  - ✓ *Identify Class V Required to Resource EFATs*
  - ✓ *Class V Available (CSR -- When and How Much)*
  - ✓ *Endstate = How much ammo must be ordered & 581 submitted*



# PLANNING CYCLE



- **COA DEVELOPMENT / WARGAMING**

- ✓ ***COA Development***

- ✓ ***EFATs Assigned to Batteries***

- ✓ ***Determine Battery Ammunition Requirements***

- ✓ ***Distribute and/or Cross-Level Ammo***

- ✓ ***Verify Ammo on hand and on order sufficient for mission***

- ✓ ***WAR GAMING -***

- ✓ ***Identify / Develop Class V Resupply Triggers***

- ✓ ***Tie to Volley Count -- Not % of UBL***

- ✓ ***Resupply to Batteries from CAT and to CAT from FAT***



# PLANNING CYCLE (cont)



- **RESUPPLY PLAN**
  - *Consider Post Battle & Use Of Warning Orders*
  - *Redistribute / Cross-level*
  - *Push Existing (On Hand) Ammunition*
  - *Draw CSR (Drop DA 581)*
  - *Ammunition For Immediate Consumption*
  - *Publish The End State In The Order*
- **REFINE AND SUPERVISE**
- **ANTICIPATE THE NEXT MISSION**



# IMPERATIVES



- **DEVELOP AND ADJUST UBL AND CSR (METT-T)** -  
*Based on Usage*
- **CCLs (COMPLETE ROUNDS / COMPATIBILITY)** -  
*Necessity for 155mm*
- **RESUPPLY TRIGGERS** - *Tie to Volley Count -- Not % of UBL*
- **AMMUNITION TRACKING** - *From Gunline to TOC + Trains*
- **ANTICIPATE = POST-BATTLE & PREP DAY RESUPPLY** - *Use Prep Day CSR to Plus UP*



# **FORCE ON FORCE ROE (1 of 3)**



- **ALL CLASS V HANDLED BY WOLF TEAM**  
*WOLF 10 = DAO / WOLF 02 = CAO*
- **CLASS V REQUEST / DRAW** - *Up to 12 Hours from Time DA 581 Dropped to OC*
- **CLASS V CSR** - *Published in Div OPORD; Change Thru S3 Channels*
- **FOF CLASS V ATP PROCEDURES** - *Personnel on Hand; Equipment Operational*
- **EMERGENCY RESUPPLY**  
- *Approved by CAO; Available in 4 hours*
- **FOF AMMUNITION PLACARDS** - **NOTHING HAPPENS WITHOUT OC SIGNATURE**



# **FORCE ON FORCE ROE (2 of 3)**



## **AMMUNITION UPLOAD / DOWNLOAD RATES**

- *105mm = 2 RDS / MIN / SOLDIER*
- *155mm = 1 RD / MIN / SOLDIER*
- *With Material Handling Equipment = 8 RDS / MIN*

## **VEHICLE HAUL CAPACITIES**

- *PLS: 176 Complete (155mm) or 490 Crated (105mm)*
- *M109A6: 37 Conventional Rounds + 2 CPHD*
- *M992: 90 Conventional Rounds + 3 CPHD*
- *M900 Series (5 Ton): 288 Crated (105mm)*
- *332 Trailer: 32 Crated (105mm)*
- *M1097 Prime Mover: 23 Uncrated*
- *M1097 Ammo Carrier: 60 Uncrated*





# **FORCE ON FORCE ROE (3 of 3)**



- **CACHE OF AMMUNITION** - *Requires Tarp and Guard*
- **DESTROYED AMMUNITION** - *Destroyed Vehicles = Destroyed Ammo - Must be Requested via DA 581 for Replacement*
- **HOFFMANS** - *Recommend 500 / Btry; Request Additional thru BDE - No Adjustment to ROE Until BDE is Zero Balance*
- **LIVE FIRE / FORCE ON FORCE TRANSITIONS** - *All Blank Ammo Turned-In Prior to Live Fire - GREEN TAB ISSUE*



# LIVE FIRE ROE



- **CALIBRATION & BATTERY LANES** -  
*Calibration is Unit Run; CAV MSN Ammo Dictated*
- **QTY OF HE & DPICM BASED ON APPROVED UBL**
- **TOTAL OF TWO FASCAM MINEFIELDS ALLOCATED**  
- *96 RAAMS / 24 ADAMS per Minefield*
- **NO CSR / IMMEDIATE CONSUMPTION** - *All*  
*Ammunition is On Hand in BN or FASP*
- **AMMUNITION MARKING (Must Be Verified By OC)**

## 155MM (Nose Plugs)

HE: *White*  
DPICM: *Green*  
RAAMS: *Red*  
ADAMS: *Yellow*



# **SAFETY**

- ★ **RISK ASSESSMENT**
- ★ **SECTION CHIEF SUPERVISION**
- ★ **PROPER STORAGE, HANDLING, & TIE-DOWN PROCEDURES**
- ★ **CRANE OPERATIONS**
- ★ **LOAD PLANS, THREE POINTS OF CONTACT, PCC / PCIs, UNIFORM**
- ★ **MOVEMENT / CONVOY PROCEDURES (SEAT BELTS, SPEED, INTERVALS, VISIBILITY, NVGs, FM COMMO)**
- ★ **NAVIGATION (MAPS, PLGR)**
- ★ **PERSONNEL ACCOUNTABILITY**
- ★ **SEPARATE ALL BLANK AND LIVE AMMUNITION**





# AMMO CALENDAR



SUN MON TUE WED THU FRI SAT

	R1 AMMO INBRIEF CL V MOVED TO FASP BY BDE	R2	R3	R4 ★	R5 CALIBRATION	T0
T1	T2	T3	T4	T5	T6	T7
FORCE ON FORCE						
						★
T8 FORCE ON FORCE	T9 TURN IN BLANKS / HOFFMANS	T10	T11	T12	T13	T14
	★	BTRY LANES	UPLOAD LIVE FIRE AMMO			★
						DOWN LOAD

PLS' P  
TO FIE  
FOR L  
DRAW